Rome IT Day
Emit/Trims/Info-Pc
Hand Out

Presented by

Jim Walsh

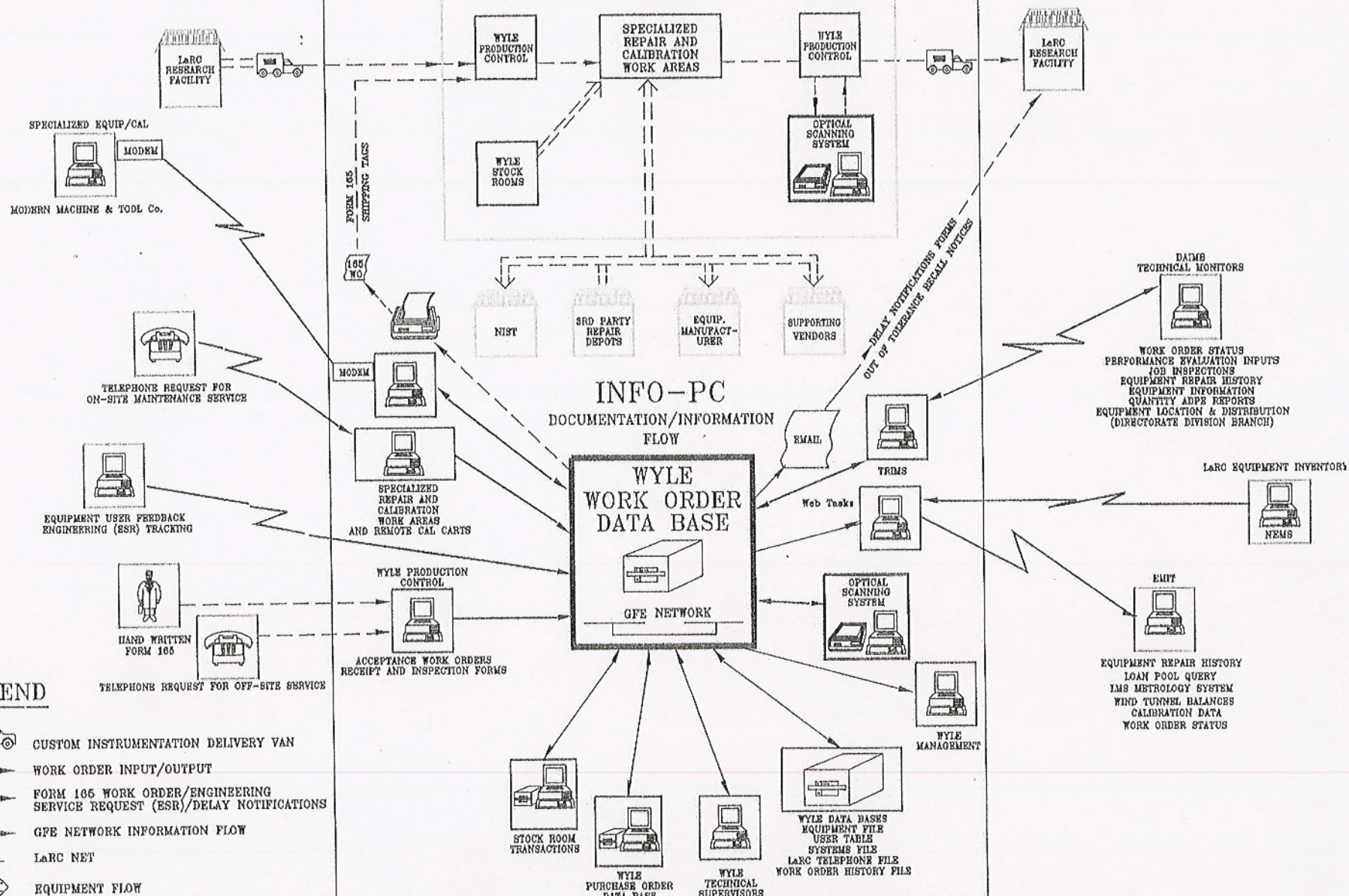May 16, 2003

INFO-PC Description

Database package: **Advanced Revelation version 3.12**
        60 clients

Database server: **Novell Netware version 5.0**
        100 clients

Components: **Instrumentation Work Order (IWO)**
- Emulates NASA Form 165
- Used for maintenance, calibration, and GFE
- Supports MM&T IWO'S
- Out-of-Tolerances Standards Tracking and Notification
- Paperless
- Approval by RIMS monitors via WEB

Notices via E-mail:
- Delay notification to user
- IWO confirmation to customer
- Instrument recall to user and Metrep
- Instrument out-of-tolerance user and Metrep

Engineering Service Request (ESR)
- Used to document requirements, deliverables, and metrics for work up to $30K
- Paperless
- All authorizations, finding data, and evaluations collected via WEB.

Purchase Authorizations (PA)
- Supports IWO and Engineering Service Request (ESR)
- Provided cost and status to the IWO database
- Paperless

Returned Instrument Contact (RIC)
- Supports IWO and Purchase Authorization
- Provides status to Purchase Authorizations
- Directly to IWO if no Purchase Authorization

Stock Room
- Inventory of parts and material in support of RIMS
- Request for issue of parts made on-line for ready pick-up
- Issue and return-to-stock status provided to IWO and ESR
- Auto generation of replenish Purchase Authorizations
- Inventory updated automatically by receipt in Shipping/Receiving

Shipping and Receiving
- All material tracked entering or leaving loading dock
- Initial generation of IWOs for work entering Wyle
- Receipts materials ordered on PAs into PA
- Status provided to IWO, PA, and RIC if applicable
- Maintains reference/validation tables
- Maintains GFE database

Scans documents for document storage

Components (cont.): **Document Storage**
Database of:
      Calibration datasheets
      Receipted shipping tags
      GFE additions/excess/changes
      NASA Purchase Requests for IWOs and ESRs

Equipment Database
      Same as BDSD NEMS but includes MCNs
      Contains calibration/PM schedules
      Maintains history of hours/cost applied to equipment
      Wyle "standardizes" vendor and model data
      Used to ensure correct data entered onto IWO
      Metrology recall information

Government Furnished Equipment (GFE)
      Database of equipment held by Wyle as GFE
      Includes archive of GFE turned in or excessed

Technical Manual Library
      Database of manuals used by Wyle in support of RIMS

Engineering Drawing Library
      Database of drawings generated by Wyle for RIMS

Engineering Documentation Library
      Database of documentation generated by Wyle for RIMS

Provides daily Instrument Services Tracking Program Data
Provides real time data to TRIMS
Provides "end of day" data to EMIT
Provides TAM with oversight, tracking and update/change authorization

Tracking Research Instrumentation Measurement Support

Equipment Measurement Information Technology

Configuration Management Change Request System

RIMS Procedures and Documentation

. If you attempt to enter an area that requires logging in, You will be presented the login prompt at that time - or you may login using the button below. Login is only required if accessing GFE, ICU Activity, or areas in which Update or Approve/Evaluate activity to be performed

| ECN/MCN View Only | | Active Work Order | | History Work Order | ESR |

| Instrument Control Unit Activity | GFE | Help |

| Login INFO-PC | Logout INFO-PC |

Security/Privacy

NASA Official Responsible for Content: W.C. Graveline

Curator: INFOPC WEB Developer

Updated: 05/02/01

EMIT Equipment Measurement Information Technology

Active Work Orders	Electronic Equipment Characteristics Data	Historical Work orders	LaRC Inventory	Wind Tunnel Balances	Metrology Recall Program	Query Form
						Change/Update/Add IM&TE

What's New in EMIT

"Virtual Loan Pool" Search ?

How to Find:

- **Instrument Service Records and Calibration Data**

- **Status of Open Jobs Sent For Service**

- **Locate and View IM&TE Notes**

- **LMS IM&TE Procedures**

- **Center Metrology Reps by Organization**

- **IM&TE Assigned to Metrology Reps**

Quick Search

Model: contains

Search

Advanced Search

- **About This Site**

- **Help for Database Queries**

- **Frequently Asked Questions**

Quick Links:

- **LMS**

- **@LaRC**

- **Aerocompass**

- **Calibration Procedures**
  Civil Servant
  Contractor

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http://emit/

4/22/2003

EXHIBIT F

INFORMATION MANAGEMENT SYSTEM FOR RIMS
SUPPORT SERVICES

In January 1992, NASA Langley's Experimental Testing Technology Division (ETTD), formerly the Instrument Research Division (IRD), and its instrument services Contractor initiated a project to design, develop, and assemble a PC server-based Information Management System (IMS) network. The IMS tracks the Contractor effort in performing Engineering Services, repairing, servicing and calibrating digital instrumentation, data acquisition systems, computers, and Inspection measurement and test equipment.

The IMS is a relational database (Advanced Revelation) with many ancillary programs and files. It is the principal operating vehicle, touching many areas internally as well as externally in the daily administration of instrument support services activities. The IMS, which resides on Ethernet-based file servers using Novell Netware 5.0 as the operating system, is located at the Contractor's facility (s).

TRIMS (open insight) is a web portal windows based interface to the INFOPC database. INFOPC, the heart of the IMS, is a highly automated work order control system that allows DAIMB technical area managers simultaneously to access, via TRIMS, data in real time for oversight, tracking, change/update authority, and monitoring the work flow process.

The IMS is under configuration control, with anti-virus protection operating continuously and back ups to tape made daily. Daily updates from NASA Equipment Management System (NEMS) are being performed to maintain congruency with that system. Data entry originates from multiple workstations throughout the networks both at Contractor(s) facility(s) and Bldg. 1230. INFOPC is Electronic Data Interchange technology (EDI), that when necessary, generates forms, shipping tags, delay notifications, calibration due notices, out-of-tolerance notices, equipment repair cost notifications, etc. The database includes; engineering service requests, equipment file, work order file, GFE inventory, stockroom inventory and issues, purchase order files, calibration software and procedures, engineering drawings, and software configuration control documentation. Task information, service details, and data are all electronically stored to either hard drives or optical disks (worm). All stored information is available at an individual users' workstation.

In FY 96, DAIMB initiated a project to design and develop a testing technology server for the World Wide Web to serve the needs of Langley's research community. With the collaboration of the Instrument Systems and Services Division and their support service Contractor, a forms-based query facility was incorporated into the testing technology Web offerings to facilitate convenient and widespread access to information within INFOPC. The EMIT web site was developed as a web portal to provide access to information within INFOPC and to support the LMS metrology process implemented at LaRC. With this enhancement, this information has become readily available not only to Langley's testing technology community, but to all potential users of this equipment at Langley.